

BALVER ZINN[®] Information to service-analyses

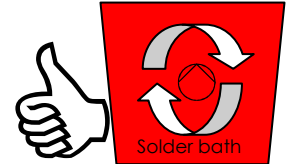
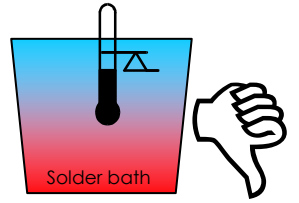
COBAR[®]

The Balver Zinn offers the possibility to its customers of keeping the quality of their assigned alloys under control. This service is free for our customers. So that you can receive your results fast, and we can keep the costs small, we ask you for your support.

What is to be considered with the sampling?

In principle the analysis already begins with taking the sample. In the laboratory in each case the composition of the sample can be determined. Whether this corresponds to the composition in the pot, depends on taking the sample. Here a few tips, to which one should pay attention:

- The melt must have sufficient temperature. 5~10 °C over the normal production temperature are best.
- The melt must be well mixed. You reach this most simply by sufficient mixing or pumping. With larger plants the pumps should run approx. 20min.
- The sample must be taken with a warm spoon out of the homogeneous melt (not of the surface) and be poured directly into a cold specimen shape. A cylindrical shape with max. 35mm Ø will be best. For larger sample quantities also sample forms can be provided.
- For one analysis we need > 70g sample material. Deviations from it can cause delays. If the quantity isn't enough we can't make an analysis.



Which data are important ?

- For the allocation of the sample we need some data in writing and directly on the sample. We specify the most important in the chart.

Information in writing	Information on the sample (waterproof)
customer	customer
Date of the sampling	Date of the sampling
Designation of the machine	Designation of the machine
Assigned alloy	
Printed circuit boards surface (optionally)	
e-mail address for the analysis	
Fax-No. (alternatively)	

- Please send the samples always directly to the address of the laboratory:

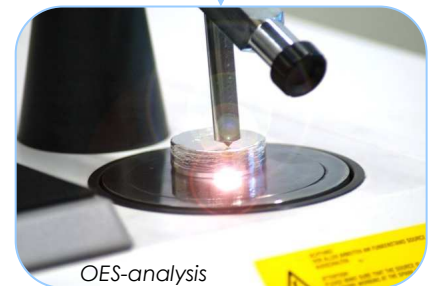
BALVER ZINN
 Abt.: LABOR
 Auf dem Werenfelde 10-12
 58802 Balve



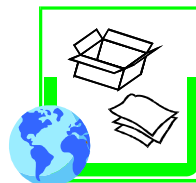
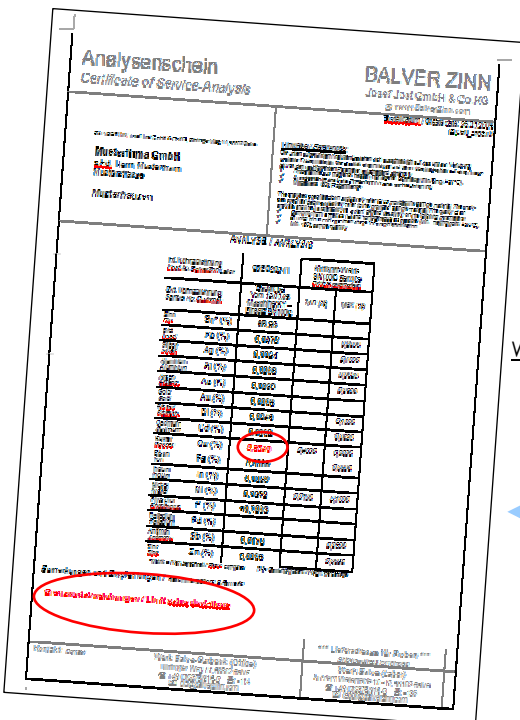
Sample



Sample preparation



OES-analysis



Which helps us:

- In order to prevent packing garbage we ask you to select a simple small packing e.g. air cushion bags etc.



Still questions ?

For further inquiries concerning the analyses our laboratory team is gladly at the disposal to you. You can reach us under the phone-no. +49(0) 2375/915-0 or by e-mail LABOR@balverzinn.com [Lomp]